



FORM PTO-1449 (Modified)

ATTY. DOCKET NO.

SERIAL NO

LIST OF PATENTS AND
PUBLICATIONS FOR APPLICANT'S
INFORMATION DISCLOSURE
STATEMENT

C1039/7021

09/337,619

APPLICANT: Krieg

FILING DATE: June 21, 1999

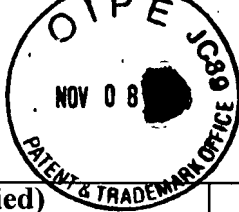
GROUP 16171633

U.S. PATENT DOCUMENTS

Exam Init	Ref Des	Document No.	Date	Name	Class	Sub Class	FILING DATE If Appropriate
A1	<i>✓</i>	5,417,972	05/23/95	Bhat et al.	424	137.1	
*	<i>✓</i>	3,906,092	09/16/75	Hilleman et al.	<i>424</i>	<i>89</i>	
*	<i>✓</i>	5,248,670	09/28/93	Draper et al.	514	44	
A2	<i>✓</i>	5,445,938	08/29/95	Hanai et al.	435	7.23	
A3	<i>✓</i>	5,491,088	02/13/96	Hellstrom et al.	435	240.24	
*	<i>✓</i>	5,585,479	12/17/96	Hoke et al.	536	24.5	
*	<i>✓</i>	5,663,153	09/02/97	Hutcherson et al.	514	44	
*	<i>✓</i>	5,723,335	03/03/98	Hutcherson et al.	435	375	
A4	<i>✓</i>	5,756,097	05/26/98	Landucci et al.	424	155.1	
*	<i>✓</i>	5,786,189	07/28/98	Locht et al.	435	172.3	
A5	<i>✓</i>	5,837,243	11/17/98	Deo et al.	424	136.1	
*	<i>✓</i>	5,849,719	12/15/98	Carson et al.	514	44	

FOREIGN PATENT DOCUMENTS

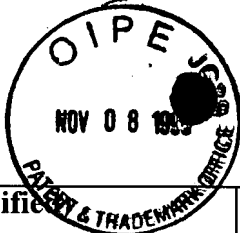
		Country & Doc. No. (11)	Pub. Date (43)		Class	Sub Class	Translation Yes	No
*	<i>✓</i>	WO 91/12811	09/05/91	PCT WO	A61K	31/70		
*	<i>✓</i>	0468520 A3	01/29/92	EPO EP	A61K	31/70		
*	<i>✓</i>	WO 92/03456	03/05/92	PCT WO	C07H	15/12		
*	<i>✓</i>	WO 92/18522	10/29/92	PCT WO	C07H	21/00		
*	<i>✓</i>	WO 92/21353	12/10/92	PCT WO	A61K	31/70		
*	<i>✓</i>	0302758 B1	03/16/94	EPO EP	C12N	15/37		
*	<i>✓</i>	WO 94/19945	09/15/94	PCT WO	A01N	43/04		
*	<i>✓</i>	WO 95/05853	03/02/95	Regents of the University of CA WO	—	—		
*	<i>✓</i>	WO 95/26204	10/95	PCT WO	A61K	48/00		
*	<i>✓</i>	WO 96/02555	02/01/96	PCT WO	—	—		
*	<i>✓</i>	WO 96/35782	11/14/96	Applied Research Systems WO	—	—		
*	<i>✓</i>	WO 97/28259	08/07/97	PCT WO	C12N	15/00		
*	<i>✓</i>	WO 98/18810	05/07/98	PCT	C07H	21/00		
*	<i>✓</i>	WO 98/37919	09/03/98	PCT	A61K	49/00		
*	<i>✓</i>	WO 98/40100	09/17/98	PCT	A61K	39/39		



FORM PTO-1449 (Modified)				ATTY. DOCKET NO.		SERIAL NO			
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				APPLICANT: Krieg					
				FILING DATE: June 21, 1999		GROUP 1617			
*		WO 98/52581	11/26/98	PCT	A61K	35/00			
*	<i>di</i>	WO 98/14210	04/09/98	PCT WO	A61K	39/35			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publication, Etc.)									
*	<i>di</i>	Adya N et al., Expansion of CREB's DNA recognition specificity by Tax results from interaction with Ala-Ala-Arg at positions 282-284 near the conserved DNA-binding domain of CREB. <i>Proc Natl Acad Sci USA</i> 91(12):5642-6, 7 Jun 1994.							
*	<i>di</i>	Angier, N., Microbe DNA Seen as Alien By Immune System, <i>New York Times</i> , 4/11/95							
*	<i>di</i>	Azad RF et al., Antiviral Activity of a Phosphorothioate Oligonucleotide Complementary to RNA of the Human Cytomegalovirus Major Immediate-Early Region. <i>Antimicrobial Agents and Chemotherapy</i> , 37:1945-1954, September, 1993.							
*	<i>di</i>	Azuma, Biochemical and Immunological Studies on Cellular Components of Tubercle Bacilli, <i>Kekkaku</i> , Vol. 69, 9:45-55, 1992.							
*	<i>di</i>	Ballas ZK et al., Induction of NK activity in murine and human cells by CpG motifs in oligodeoxynucleotides and bacterial DNA. <i>J Immunol</i> 157(5):1840-5, 1996.							
*	<i>di</i>	Bayever, E., Systemic Administration of a Phosphorothioate Oligonucleotide with a Sequence Complementary to p53 for Acute Myelogenous leukemia and Myelodysplastic Syndrome: Initial Results of a Phase I Trial, <i>Antisense Res. & Dev.</i> (1993), 3:383-390.							
*	<i>di</i>	Bennett RM et al., DNA binding to human leukocytes. Evidence for a receptor-mediated association, internalization, and degradation of DNA. <i>J Clin Invest</i> 76(6):2182-90, 1985.							
*		Berg DJ et al., Interleukin-10 is a central regulator of the response to LPS in murine models of endotoxic shock and the Shwartzman reaction but not endotoxin tolerance. <i>J Clin Invest</i> 96(5):2339-47, 1995.							
C1	<i>di</i>	Bernhard, M., et al., "Monocyte Macrophage Mediated Antibody Dependent and Independent Cell Mediated Cytotoxicity in Normals and Cancer Patients, ABSTRACT, <i>Proceedings of AACR and ASCO</i>, 22:372, c-159							
*		Blanchard DK et al., Interferon gamma induction by lipopolysaccharide: dependence on interleukin 2 and macrophages. <i>J Immunol</i> 136(3):963-70, 1986.							
*	<i>di</i>	Blaxter et al., Genes expressed in <i>Brugia malayi</i> infective third stage larvae. <i>Molecular and Biochemical Parasitology</i> , 77:77-93.							
*	<i>di</i>	Boggs RT et al., Characterization and modulation of immune stimulation by modified oligonucleotides. <i>Antisense Nucleic Acid Drug Dev</i> 7(5):461-71, Oct 1997.							
*	<i>di</i>	Branda RF et al., Amplification of antibody production by phosphorothioate oligodeoxynucleotides. <i>J. Lab Clin Med</i> 128(3):329-38, Sep 1996.							
*	<i>di</i>	Branda et al., Immune Stimulation by an Antisense Oligomer Complementary to the rev gene of HIV-1. <i>Biochemical Pharmacology</i> , Vol. 45, 10:2037-2043, 1993.							
*	<i>di</i>	Briskin M et al., Lipopolysaccharide-unresponsive mutant pre-B-cell lines blocked in NF-kappa B activation. <i>Mol Cell Biol</i> 10(1):422-5, Jan 1990.							
*	<i>di</i>	Chace, J. et al., Regulation of Differentiation in CD5+ and Conventional B Cells, <i>Clinical Immunology and Immunopathology</i> , (1993), 68:3:327-332.							
*	<i>di</i>	Chang YN et al., The palindromic series I repeats in the simian cytomegalovirus major immediate-early promoter behave as both strong basal enhancers and cyclic AMP response elements. <i>J Virol</i> 64(1):264-77, Jan 1990.							
*	<i>di</i>	Chu RS et al., CpG oligodeoxynucleotides act as adjuvants that switch on T helper 1 (Th1) immunity. <i>J Exp Med</i> 186(10):1623-31, 17 Nov 1997.							
C2	<i>di</i>	Cohen, J., et al., "IL-12 Deaths: Explanation and a Puzzle", <i>Science</i>, 10:270:5238:908							



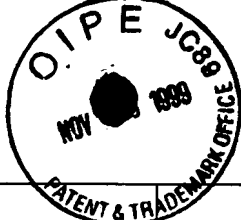
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		APPLICANT: Krieg	
		FILING DATE: June 21, 1999	GROUP 1617
C3	<input checked="" type="checkbox"/>	Cossum, P., et al., "Pharmacokinetics of a ¹⁴ C-Labeled Phosphorothioate Oligonucleotide, ISIS 2105, after Intradermal Administration to Rats", <i>The Journal of Pharmacology and Experimental Therapeutics</i> , 269:1:89-94, (1993)	
*	<input checked="" type="checkbox"/>	Cowdery JS et al., Bacterial DNA induces NK cells to produce IFN-gamma in vivo and increases the toxicity of lipopolysaccharides. <i>J Immunol</i> 156(12):4570-5, 15 Jun 1996.	
*	<input checked="" type="checkbox"/>	Crosby et al., The Early Responses Gene FGFI-C Encodes a Zinc Finger Transcriptional Activator and is a Member of the GCGGGGGCG (GSG) Element-Binding Protein Family. <i>Mol. Cell. Biol.</i> , 2:3835-3841, 1991.	
*	<input checked="" type="checkbox"/>	Crystal, Transfer of Genes to Humans: Early Lessons and Obstacles to Success. <i>Science</i> , Vol. 270, pp. 404-410, 1995.	
*	<input checked="" type="checkbox"/>	D'Andrea A et al., Interleukin-10 (IL-10) inhibits human lymphocyte interferon-gamma production by suppressing natural killer cell stimulatory factor/IL-12 synthesis in accessory cells. <i>J Exp Med</i> 178(3):1041-8, 1993.	
C4	<input checked="" type="checkbox"/>	Doe, B., et al., "Induction of cytotoxic T lymphocytes by intramuscular immunization with plasmid DNA is facilitated by bone marrow-derived cells", <i>Proc. Natl. Acad. Sci.</i> , 93:8578-8583, (1996)	
*	<input checked="" type="checkbox"/>	Englisch et al., Chemically Modified Oligonucleotides as Probes and Inhibitors, <i>Angew. Chem. Int. Ed. Engl.</i> , 30:613-629, 1991.	
*	<input checked="" type="checkbox"/>	Erb KJ et al., Infection of mice with Mycobacterium bovis-Bacillus Calmette-Guerin (BCG) suppresses allergen-induced airway eosinophilia. <i>J Exp Med</i> 187(4):561-9, 16 Feb 1998.	
*	<input checked="" type="checkbox"/>	Etlinjer, Carrier sequence selection - one key to successful vaccines, <i>Immunology Today</i> , Vol. 13, 2:52-55, 1992.	
*	<input checked="" type="checkbox"/>	Fox RI, Mechanism of action of hydroxychloroquine as an antirheumatic drug. <i>Chemical Abstracts</i> , 120:15, Abstract No. 182630 (April 29, 1994).	
C5	<input checked="" type="checkbox"/>	Gately, M., et al., "Interleukin-12: A Recently Discovered Cytokine with potential for Enhancing Cell-Mediated Immune Responses to Tumors", <i>Cancer Investigation</i> , 11:4:500-506, (1993)	
*	<input checked="" type="checkbox"/>	Gura, T., Antisense Has Growing Pains. <i>Science</i> (1995), 270:575-576.	
*	<input checked="" type="checkbox"/>	Hadden J et al., Immunostimulants. <i>TIPS</i> , (1993), 141:169-174.	
*	<input checked="" type="checkbox"/>	Hadden J et al., Immunopharmacology, <i>JAMA</i> , (1992) 268:20:2964-2969.	
*	<input checked="" type="checkbox"/>	Halpern MD et al., Bacterial DNA induces murine interferon-gamma production by stimulation of interleukin-12 and tumor necrosis factor-alpha. <i>Cell Immunol</i> 167(1):72-8, 1996.	
C6	<input checked="" type="checkbox"/>	Hartmann, G., et al., "CpG DNA: A potent signal for growth, activation, and maturation of human dendritic cells", <i>Proc. Natl. Acad. Sci.</i> , 96:9305-9310, (1999)	
*	<input checked="" type="checkbox"/>	Hatzfeld J., Release of Early Human Hematopoietic Progenitors from Quiescence by Antisense Transforming Growth Factor β1 or Rb Oligonucleotides, <i>J. Exp. Med.</i> , (1991) 174:925-929.	
*	<input checked="" type="checkbox"/>	Highfield PE, Sepsis: the More, the Murkier. <i>Biotechnology</i> , 12:828, August 12, 1994.	
*	<input checked="" type="checkbox"/>	Hoeffler JP et al., Identification of multiple nuclear factors that interact with cyclic adenosine 3',5'-monophosphate response element-binding protein and activating transcription factor-2 by protein-protein interactions. <i>Mol Endocrinol</i> 5(2):256-66, Feb 1991.	
*	<input checked="" type="checkbox"/>	Iguchi-Ariga SM and Shaffner W, CpG methylation of the cAMP-responsive enhancer/promoter sequence TGACGTCA abolishes specific factor binding as well as transcriptional activation. <i>Genes Dev</i> 3(5):612-9, May 1989.	
9/27/00	<input checked="" type="checkbox"/>	Iversen, P., et al., "Pharmacokinetics of an Antisense Phosphorothioate Oligodeoxynucleotide against revere from Human Immunodeficiency Virus Type 1 in the Adult male Rate Following Single Injections and Continuous Infusion", <i>Antisense Research and Development</i> , (1994), 4:43-52	
*	<input checked="" type="checkbox"/>	Ishikawa R et al., IFN induction and associated changes in splenic leukocyte distribution. <i>J Immunol</i> 150(9):3713-27, 1 May 1993	



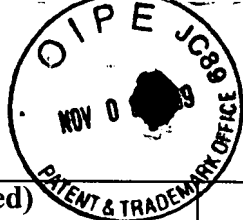
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*	<input checked="" type="checkbox"/>	Jakway JP et al., Growth regulation of the B lymphoma cell line WEHI-231 by anti-immunoglobulin, lipopolysaccharide, and other bacterial products. <i>J Immunol</i> 137(7):2225-31, 1 Oct 1986.	
*	<input checked="" type="checkbox"/>	Jaroszewski JW and Cohen JS, Cellular uptake of antisense oligonucleotides. <i>Adv Drug Delivery Rev</i> 6(3):235-50, 1991.	
C7	<input checked="" type="checkbox"/>	Kataoka, T., et al. "Immunotherapeutid potential in Guinea-Pig Tumor Model of Deoxyribonucleic Acid From Mycobacterium Bovix BCG Complexed with Poly-L-Lysine and Carboxy-Methylcellulose", <i>Jpn J. Med. Sci. Biol.</i> 43:171-182, (1990)	
*	<input checked="" type="checkbox"/>	Kimura Y et al., Binding of Oligoguanylate to Scavenger Receptors Is Required for Oligonucleotides to Augment NK Cell Activity and Induce IFN, <i>J. Biochem.</i> , Vol. 116, 5:991-994, 1994.	
*	<input checked="" type="checkbox"/>	Kline JN et al., CpG motif oligonucleotides are effective in prevention of eosinophilic inflammation in a murine model of asthma. <i>J Invest Med</i> 44(7):380A, 1996.	
*	<input checked="" type="checkbox"/>	Kline JN et al., Immune redirection by CpG oligonucleotides. Conversion of a Th2 response to a Th1 response in a murine model of asthma. <i>J Invest Med</i> 45(3):282A, 1997.	
*	<input checked="" type="checkbox"/>	Kline JN et al., CpG oligonucleotides can reverse as well as prevent Th2-mediated inflammation in a murine model of asthma. <i>J Invest Med</i> 45(7):298A, 1997.	
*	<input checked="" type="checkbox"/>	Klinman DM et al., CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma. <i>Proc Natl Acad Sci USA</i> 93(7):2879-83, 1996.	
C8	<input checked="" type="checkbox"/>	Kolitz, J., et al., "The Immunotherapy of Human Cancer with Interleukin 2: Present Status and Future Directions", <i>Cancer Investigation</i>, 9:5:529-542, (1991)	
*	<input checked="" type="checkbox"/>	Krieg AM, An innate immune defense mechanism based on the recognition of CpG motifs in microbial DNA. <i>J Lab Clin Med</i> 128(2):128-33, 1996.	
*	<input checked="" type="checkbox"/>	Krieg AM et al., Uptake of oligodeoxyribonucleotides by lymphoid cells is heterogeneous and inducible. <i>Antisense Res Dev</i> 1(2):161-71, Summer 1991.	
*	<input checked="" type="checkbox"/>	Krieg AM et al., Oligodeoxynucleotide modifications determine the magnitude of B cell stimulation by CpG motifs. <i>Antisense Nucleic Acid Drug Dev</i> 6(2):133-9, Summer 1996.	
*	<input checked="" type="checkbox"/>	Krieg AM et al., "Modification of antisense phosphodiester oligodeoxynucleotides by a 5' cholesteryl moiety increases cellular association and improves efficacy", <i>Proc. Natl. Acad. Sci.</i> , (1993), 90:1048-1052	
*	<input checked="" type="checkbox"/>	Krieg AM et al., "CpG DNA: A Pathogenic Factor in Systemic Lupus Erythematosus?", <i>Journal of Clinical Immunology</i> , (1995) 15:6:284-292	
*	<input checked="" type="checkbox"/>	Krieg AM et al., "Phosphorothioate Oligodeoxynucleotides: Antisense or Anti-Protein?", <i>Antisense Research and Development</i> , (1995), 5:241	
*	<input checked="" type="checkbox"/>	Krieg AM et al., "Leukocyte Stimulation by Oligodeoxynucleotides", <i>Applied Antisense Oligonucleotide Technology</i> , (1998), 431-448	
*	<input checked="" type="checkbox"/>	Krieg AM et al., CpG motifs in bacterial DNA trigger direct B-cell activation. <i>Nature</i> 374:546-9, 1995.	
*	<input checked="" type="checkbox"/>	Krieg AM et al., "The role of CpG dinucleotides in DNA vaccines", <i>Trends in Microbiology</i> , Vol. 6, pp. 23-27, Jan 1998.	
*	<input checked="" type="checkbox"/>	Krieg AM et al., "A Role for Endogenous Retroviral Sequences in the Regulation of Lymphocyte Activation, the <i>Journal of Immunology</i> , Vol. 143, 2448-2451,	
*	<input checked="" type="checkbox"/>	Kuramoto et al., "Oligonucleotide Sequences Required for Natural Killer Cell Activation, <i>Jpn. J. Cancer Res.</i> , 83:1128-1131, November 1992.	
C9	<input checked="" type="checkbox"/>	Kuramoto et al., "In Situ Infiltration of Natural Killer-Like Cell sInduced by Intradermal Injection of the Nucleic Acid Fraction from BCG", <i>Microbiol. Immunol.</i>, 33:11:929-940, (1989)	



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C10	<input checked="" type="checkbox"/>	Kuramoto, E., et al., "Changes of host cell infiltration into meth a fibrosarcoma tumor during the course of regression induced by injections of a BCG nucleic acid fraction", <i>Int. I. Immunopharmacol.</i> 14:5:773-782, (1992)	
C11	<input checked="" type="checkbox"/>	Lacour, J., et al., "Clinical Trials Using Polyadenylic-Polyuridylic Acid as an Adjuvant to Surgery in Treating Different Human Tumors, <i>J of Biological Response Modifiers</i> , 4:538-543, (1985)	
*	<input checked="" type="checkbox"/>	Leonard et al., Conformation of Guanine 8-Oxoadenine Base Pairs in the Crystal Structure of d(CGCGAATT(08A)GCG). <i>Biochemistry</i> , 31(36):8415-8420, 1992.	
*	<input checked="" type="checkbox"/>	Macfarlane DE and Manzel L, Antagonism of immunostimulatory CpG-oligodeoxynucleotides by quinacrine, chloroquine, and structurally related compounds. <i>J Immunol</i> 160(3):1122-31, Feb 1 1998.	
*	<input checked="" type="checkbox"/>	Mastrangelo et al. <i>Seminars in Oncology</i> . Vol. 23, 1:4-21, 1996.	
C12	<input checked="" type="checkbox"/>	Mashiba, H., et al., "In Vitro Augmentation of Natural Killer Activity of Peripheral Blood Cells From Cancer Patients by a DNA Fraction From Mycobacterium Bovis BCG", <i>Jpn J. Med. Sci. Biol.</i> , 41:197-202, (1988)	
*	<input checked="" type="checkbox"/>	Matson S and Krieg AM, Nonspecific suppression of [3H]thymidine incorporation by "control" oligonucleotides. <i>Antisense Res Dev</i> 2(4):325-30, Winter 1992.	
*	<input checked="" type="checkbox"/>	McIntyre KW et al., A sense phosphorothioate oligonucleotide directed to the initiation codon of transcription factor NF-kappa B p65 causes sequence-specific immune stimulation. <i>Antisense Res Dev</i> 3(4):309-22, Winter 1993.	
*	<input checked="" type="checkbox"/>	Messina et al., The Influence of DNA Structure on the <i>in vitro</i> Stimulation of Murine Lymphocytes by Natural and Synthetic Polynucleotide Antigens. <i>Cellular Immunology</i> , 147:148-157, 1993.	
*	<input checked="" type="checkbox"/>	Messina et al., Stimulation of <i>in vitro</i> Murine Lymphocyte Proliferation by Bacterial DNA. <i>J. Immunol.</i> , Vol. 147, 6:1759-1764, September 15, 1991.	
*	<input checked="" type="checkbox"/>	Mojcik, C., et al., "Administration of a Phosphorothioate Oligonucleotide Antisense Murine Endogenous Retroviral MCF env Causes Immune Effect <i>in vivo</i> in a Sequence-Specific Manner", <i>Clinical Immunology and Immunopathology</i> , (1993), 67:2:130-136	
C13	<input checked="" type="checkbox"/>	Morahan, P., et al., "Comparative Analysis of Modulators of Nonspecific Resistance Against Microbial Infections", <i>Immunopharmacology of Infectious Diseases: Vaccine Adjuvants and Modulators of Non-Specific Resistance</i> , 313-324, (1987)	
*	<input checked="" type="checkbox"/>	Mottram et al., A novel CDC2-related protein kinase from leishmania mexicana LmmCRK1 is post-translationally regulated during the life cycle. <i>J. Biol. Chem.</i> 268:28, 21044-21052 (October 1993).	
*	<input checked="" type="checkbox"/>	New England BIOLABS 1988-1989 Catalog	
*	<input checked="" type="checkbox"/>	Nyce JW and Metzger WJ, DNA antisense therapy for asthma in an animal model. <i>Nature</i> 385:721-725, 20 Feb 1997.	
*	<input checked="" type="checkbox"/>	Pisetsky, D., "Stimulation of <i>in vitro</i> proliferation of murine lymphocytes by synthetic oligodeoxynucleotides", <i>Molecular Biology Repairs</i> , (1993) 18:217-221	
*	<input checked="" type="checkbox"/>	Pisetsky et al., Stimulation of Murine Lymphocyte Proliferation by a Phosphorothioate Oligonucleotide with Antisense Activity for Herpes Simplex Virus. <i>Life Science</i> , Vol. 54, pp. 101-107 (1994).	
*	<input checked="" type="checkbox"/>	Pisetsky, The Immunological Properties of DNA, <i>The Journal of Immunology</i> , pp. 421-423 (1996).	
*	<input checked="" type="checkbox"/>	Pisetsky, Immunological Consequences of Nucleic Acid Therapy, <i>Antisense Research and Development</i> , 5:219-225 (1995).	
*	<input checked="" type="checkbox"/>	Raz E et al., Preferential induction of a Th1 immune response and inhibition of specific IgE antibody formation by plasmid DNA immunization. <i>Proc Natl Acad Sci USA</i> 93(10):5141-5, 14 May 1996. 91: 9519-9523 (1994)	
C14	<input checked="" type="checkbox"/>	Reisfeld, R., et al., "Monoclonal Antibodies in Cancer Therapy", <i>Clinics in Laboratory Medicine</i> , 12:2:201-216, (1992) -	
C15	<input checked="" type="checkbox"/>	Rosenberg, S., et al., "Immunotherapy of Cancer by Systemic Administration of Lymphoid Cells Plus Interleukin-2", <i>Journal of Biological Response Modifiers</i> , 3:501-511, (1984)-	



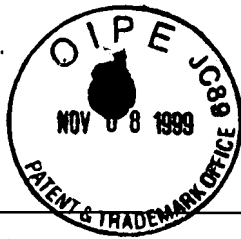
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C16	<input checked="" type="checkbox"/>	Rosenberg, S., et al., "Observations on the systemic administration of autologous lymphokine-activated killer cells and recombinant interleukins-2 to patients with metastatic cancer", <i>The New England Journal of Medicine</i> , 113:23:1485-1492, (1985)	
*	<input checked="" type="checkbox"/>	Roman M et al., Immunostimulatory DNA sequences function as T helper-1-promoting adjuvants. <i>Nat Med</i> 3(8):849-54, Aug 1997.	
*	<input checked="" type="checkbox"/>	Sato et al., Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization, <i>Science</i> , Vol. 273, pp. 352-354, 1996.	
*	<input checked="" type="checkbox"/>	Schnell et al., Identification and characterization of a <i>Saccharomyces cerevisiae</i> gene (PAR1) conferring resistance to iron chelators. <i>Eur. J. Biochem.</i> , 200:487-493.	
*	<input checked="" type="checkbox"/>	Schwartz DA et al., Endotoxin responsiveness and grain dust induced inflammation in the lower respiratory tract. <i>Am J Physiol</i> 267(5 Pt 1):L609-17, 1994.	
*	<input checked="" type="checkbox"/>	Schwartz DA et al., The role of endotoxin in grain dust-induced lung disease. <i>Am J Respir Crit Care Med</i> 152(2):603-8, 1995.	
*	<input checked="" type="checkbox"/>	Schwartz DA et al., CpG motifs in bacterial DNA cause inflammation in the lower respiratory tract. <i>J Clin Invest</i> 100(1):68-73, 1 Jul 1997.	
C17	<input checked="" type="checkbox"/>	Shimada, S., et al., "In Vivo Augmentation of Natural Killer Cell Activity With A Deoxyribonucleic Acid Fraction of BCG", <i>Jpn J. Cancer Res.</i> , 77:808-816, (1986)	
*	<input checked="" type="checkbox"/>	Shirakawa T et al., The inverse association between tuberculin responses and atopic disorder. <i>Science</i> 275(5296):77-9, 3 Jan 1997.	
*	<input checked="" type="checkbox"/>	Sparwasser T et al., Macrophages sense pathogens via DNA motifs: induction of tumor necrosis factor-alpha-mediated shock. <i>Eur J Immunol</i> 27(7):1671-9, Jul 1997.	
*	<input checked="" type="checkbox"/>	Stein CA et al., Oligonucleotides as inhibitors of gene expression: a review. <i>Cancer Research</i> , 48:2659-2668, 1988.	
C18	<input checked="" type="checkbox"/>	Stevenson, H., et al., "The Treatment of Cancer with Activated Cytotoxic Leukocyte Subsets", <i>Artif Organs</i> , 12:2:128136, 1988	
*	<input checked="" type="checkbox"/>	Stull et al., Antigene, Ribozyme, and Aptamer Nucleic Acid Drugs: Progress and Prospects, <i>Pharmaceutical Res.</i> , Vol. 12, 4:465-483, 1995.	
*	<input checked="" type="checkbox"/>	Subramanian et al., Theoretical Considerations on the "Spine of Hydration" in the Minor Groove of d(CGCGAATTCGCG) d(GCGCTTAAGCGC): Monte Carlo Computer Simulation. <i>Proc. Nat'l. Acad. Sci. USA</i> , 85:1836-1840, 1988.	
*	<input checked="" type="checkbox"/>	Tanaka T et al., An antisense Oligonucleotide complementary to a sequence in IG2b increases G2b germline transcripts stimulates B cell DNA synthesis and inhibits immunoglobulin secretion. <i>J. Exp. Med.</i> , 175:597-607, 1992.	
*	<input checked="" type="checkbox"/>	Thorne PS., Experimental grain dust atmospheres generated by wet and dry aerosolization techniques. <i>Am J Ind Med</i> 25(1):109-12, 1994.	
*	<input checked="" type="checkbox"/>	Tokunaga T et al., Synthetic Oligonucleotides with Particular Base Sequences form the cDNA Encoding Proteins of <i>Mycobacterium bovis</i> BCG Induce Interferons and Activate Natural Killer Cells, <i>Microbiol. Immunol.</i> , Vol. 36, 1:55-66, 1992.	
*	<input checked="" type="checkbox"/>	Tokunaga et al., A Synthetic Single-Stranded DNA, Ply (dG, dC), Induces Interferon α/β and $-\gamma$, Augments Natural Killer Activity and Suppresses Tumor Growth. <i>Jpn. J. Cancer Res.</i> , 79:682-686, June 1988.	
C19	<input checked="" type="checkbox"/>	Topalian, S., et al., "Expansion of human tumor infiltrating lymphocytes for use in immunotherapy trials", <i>J of Immunological Methods</i> , 102:127-141, (1987)	
C20	<input checked="" type="checkbox"/>	Torpey III, D., et al., "Effects of Adoptive Immunotherapy with Autologous CD8+ t Lymphocytes on Immunologic Parameters: Lymphocyte Subsets and Cytotoxic Activity, <i>Clinical Immunology and Immunopathology</i> , 68:3:263-272, (1993)	
*	<input checked="" type="checkbox"/>	Uhlmann et al., Antisense Oligonucleotides: A New Therapeutic Principle. <i>Chemical Reviews</i> , 90:543-584, 1990.	



FORM PTO-1449 (Modified)		ATTY. DOCKET NO.	SERIAL NO
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		C1039/7021	09/337,619
		APPLICANT: Krieg	
		FILING DATE: June 21, 1999	GROUP 1617
C21	<input checked="" type="checkbox"/>	Vogels, M., et al., "Use of Immune Modulators in nonspecific Therapy of Bacterial Infections", <i>Antimicrobial Agents and Chemotherapy</i> , 36:1:1-5, (1992)	
*	<input checked="" type="checkbox"/>	Wagner RW, Gene inhibition using antisense oligodeoxynucleotides. <i>Nature</i> , 372:L333-335, 1994.	
*	<input checked="" type="checkbox"/>	Wallace et al., Oligonucleotide probes for the screening of recombinant DNA libraries. <i>Methods in Enzymology</i> , 152:432-442 (1987).	
*	<input checked="" type="checkbox"/>	Weiss R., Upping the Antisense Ante: Scientists bet on profits from reverse genetics. <i>Science</i> , 139:108-109, 1991.	
*	<input checked="" type="checkbox"/>	Whalen R, DNA Vaccines for Emerging Infection Diseases: What If?, <i>Emerging Infectious Disease</i> , Vol. 2, 3:168-175, 1996.	
C22	<input checked="" type="checkbox"/>	Wooldridge, J., et al., "Immunostimulatory Oligodeoxynucleotides Containing CpG Motifs Enhance the Efficacy of Monoclonal Antibody Therapy of Lymphoma", <i>Blood</i> , 89:8:2994-2998, (1997)	
*	<input checked="" type="checkbox"/>	Wu GY et al., Receptor-mediated gene delivery and expression in vivo. <i>J. Biol. Chem.</i> , 263:14621-14624, 1988.	
*	<input checked="" type="checkbox"/>	Wu-Pong S., Oligonucleotides: Opportunities for Drug Therapy and Research. <i>Pharmaceutical Technology</i> , 18:102-114, 1994.	
*	<input checked="" type="checkbox"/>	Yamamoto S et al., DNA from bacteria, but not from vertebrates, induces interferons, activates natural killer cells and inhibits tumor growth. <i>Microbiol Immunol</i> 36(9):983-97, 1992.	
*	<input checked="" type="checkbox"/>	Yamamoto S et al., <i>In vitro</i> augmentation of natural killer cell activity and production of interferon-alpha/beta and -gamma with deoxyribonucleic acid fraction from <i>Mycobacterium bovis</i> BCG. <i>Jpn J Cancer Res</i> 79:866-73, Jul 1988.	
*	<input checked="" type="checkbox"/>	Yamamoto S., Mode of Action of Oligonucleotide Fraction Extracted from <i>Mycobacterium bovis</i> BCG, <i>Kekkaku</i> , Vol. 69, 9:29-32, 1994.	
*	<input checked="" type="checkbox"/>	Yamamoto S et al., Unique Palindromic Sequences in Synthetic Oligonucleotides are Required to Induce INF and Augment INF-Mediated Natural Killer Activity. <i>J. Immunol.</i> , Vol. 148, 12:4072-4076, June 15, 1992.	
*	<input checked="" type="checkbox"/>	Yamamoto T et al., Ability of Oligonucleotides with Certain Palindromes to Induce Interferon Production and Augment Natural Killer Cell Activity is Associated with Their Base Length. <i>Antisense Res. and Devel.</i> , 4:119-123, 1994.	
*	<input checked="" type="checkbox"/>	Yamamoto et al., Lipofection of Synthetic Oligodeoxyribonucleotide Having a Palindromic Sequence AACGTT to Murine Splenocytes Enhances Interferon Production and Natural Killer Activity. <i>Microbiol. Immunol.</i> , Vol. 38, 10:831-836, 1994.	
*	<input checked="" type="checkbox"/>	Yamamoto T et al., Synthetic Oligonucleotides with Certain Palindromes Stimulate Interferon Production of Human Peripheral Blood Lymphocytes <i>in vitro</i> . <i>Jpn. J. Cancer Res.</i> , 85:775-779, 1994.	
*	<input checked="" type="checkbox"/>	Yi, Ae-Kyung et al., IFN- γ Promotes IL-6 and IgM Secretion in Response to CpG Motifs in Bacterial DNA and Oligonucleotides, <i>The Journal of Immunology</i> , pp. 558-564 (1996).	
*	<input checked="" type="checkbox"/>	Yi, Ae-Kyung et al., Rapid Immune Activation by CpG Motifs in Bacterial DNA, <i>The Journal of Immunology</i> , pp. 5394-5402 (1996).	
*	<input checked="" type="checkbox"/>	Zhao Q et al., Stage-specific oligonucleotide uptake in murine bone marrow B-cell precursors. <i>Blood</i> 84(11):3660-6, 1 Dec 1994.	
*	<input checked="" type="checkbox"/>	Zhao Q et al., Comparison of cellular binding and uptake of antisense phosphodiester, phosphorothioate, and mixed phosphorothioate and methylphosphonate oligonucleotides. <i>Antisense Res Dev</i> 3(1):53-66, Spring 1993.	
C23	<input checked="" type="checkbox"/>	Hamblin, T., et al., "Ex Vivo Activation and Retransfusion of White Blood Cells", <i>Curr Stud Hematol Blood Transf.</i> , 57:249-266, (1990)	
C24	<input checked="" type="checkbox"/>	Shimada, S., et al., "Antitumor Activity of the DNA Fraction from <i>Mycobacterium bovis</i> BCG. II> Effects on Various Syngeneic Mouse Tumors", <i>JNCI</i> , 74:3:681-688, (1985)	

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 08/738,652, filed October 30, 1996, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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